

Title (en)

DATA CONVERSION DEVICE, DATA CONVERSION METHOD, AND PROGRAM

Title (de)

DATENKONVERTIERUNGSVORRICHTUNG, DATENKONVERTIERUNGSVERFAHREN UND PROGRAMM

Title (fr)

DISPOSITIF DE CONVERSION DE DONNÉES, PROCÉDÉ DE CONVERSION DE DONNÉES, ET PROGRAMME

Publication

EP 2328136 A1 20110601 (EN)

Application

EP 09809898 A 20090825

Priority

- JP 2009064782 W 20090825
- JP 2008214810 A 20080825

Abstract (en)

There is realized a data conversion device that performs generation of a hash value with improved analysis resistance and a high degree of safety. There are provided a stirring processing section performing a data stirring process on input data; and a compression processing section performing a data compression process on input data including data segments which are divisions of message data, the message data being a target of a data conversion. Part of multi-stage compression subsections is configured to perform a data compression process based on both of output of the stirring processing section and the data segments in the message data. There is provided such a configuration that the stirring process is executed at least on fixed timing of a compression processing round of plural rounds and thus, there is realized a data conversion device that performs generation of a hash value with improved analysis resistance and a high degree of safety.

IPC 8 full level

H04L 9/06 (2006.01)

CPC (source: EP US)

H04L 9/0643 (2013.01 - EP US); **H04L 9/50** (2022.05 - EP); **H04L 9/50** (2022.05 - US); **H04L 2209/12** (2013.01 - EP US); **H04L 2209/20** (2013.01 - EP US); **H04L 2209/30** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2328136 A1 20110601; **EP 2328136 A4 20151125**; BR PI0917799 A2 20160301; CN 102216967 A 20111012; CN 102216967 B 20131211; JP 2010049126 A 20100304; JP 5504592 B2 20140528; US 2011238636 A1 20110929; US 8380683 B2 20130219; WO 2010024247 A1 20100304

DOCDB simple family (application)

EP 09809898 A 20090825; BR PI0917799 A 20090825; CN 200980132271 A 20090825; JP 2008214810 A 20080825; JP 2009064782 W 20090825; US 200913059643 A 20090825